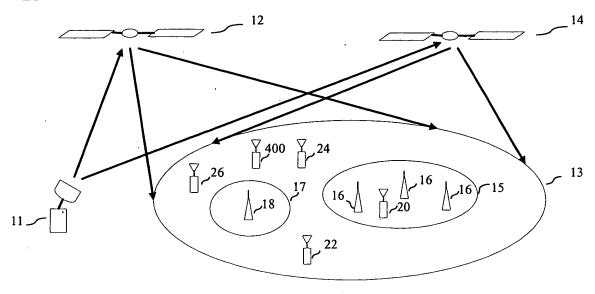
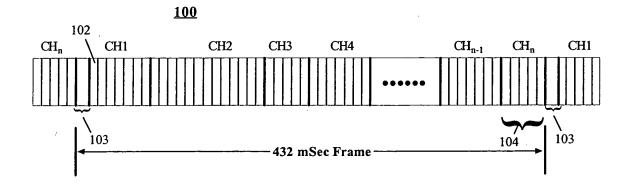
FIG. 1

<u>10</u>

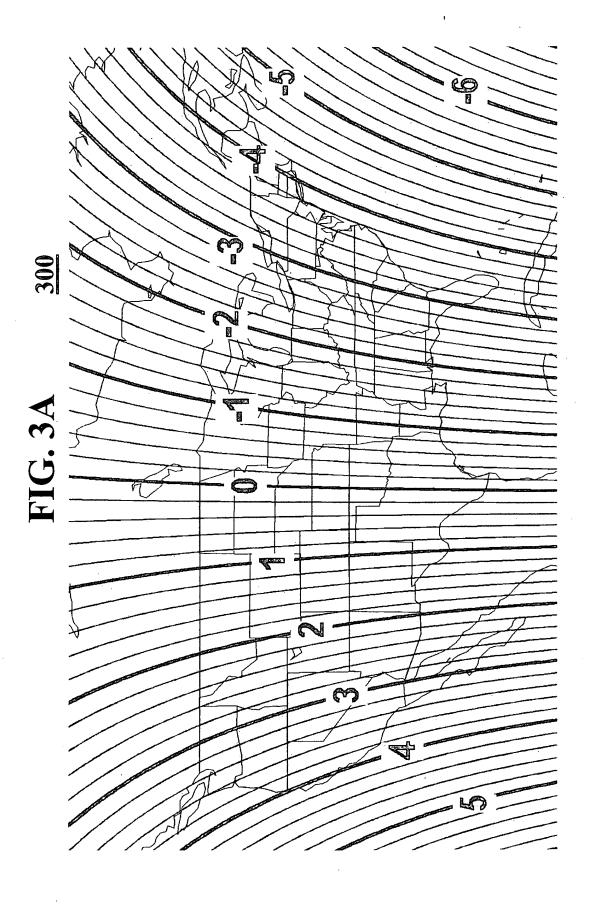


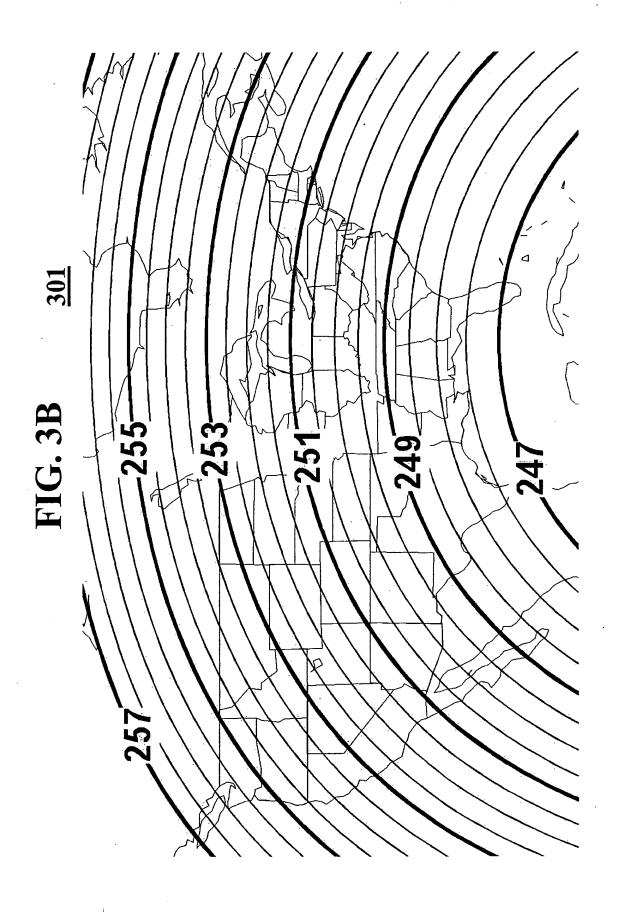
· Mari

FIG. 2









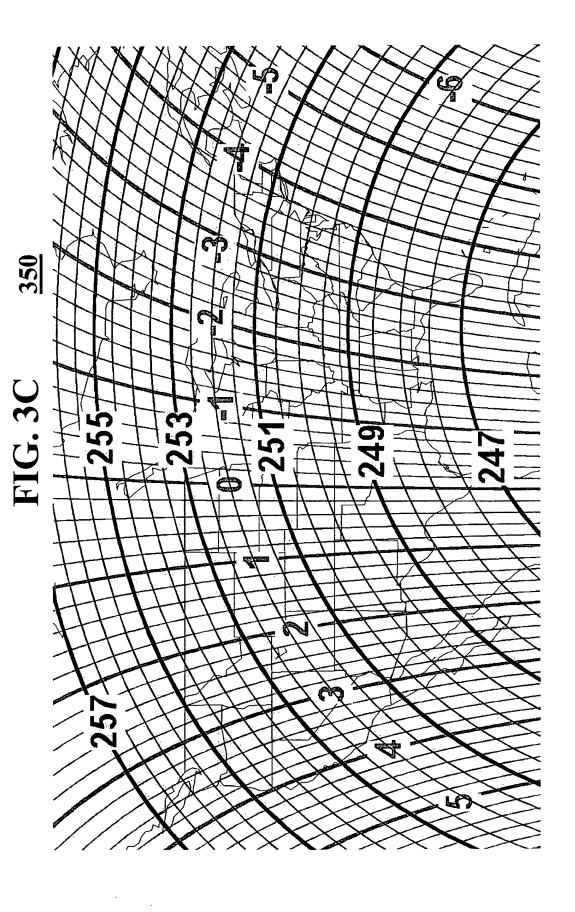


FIG. 3D

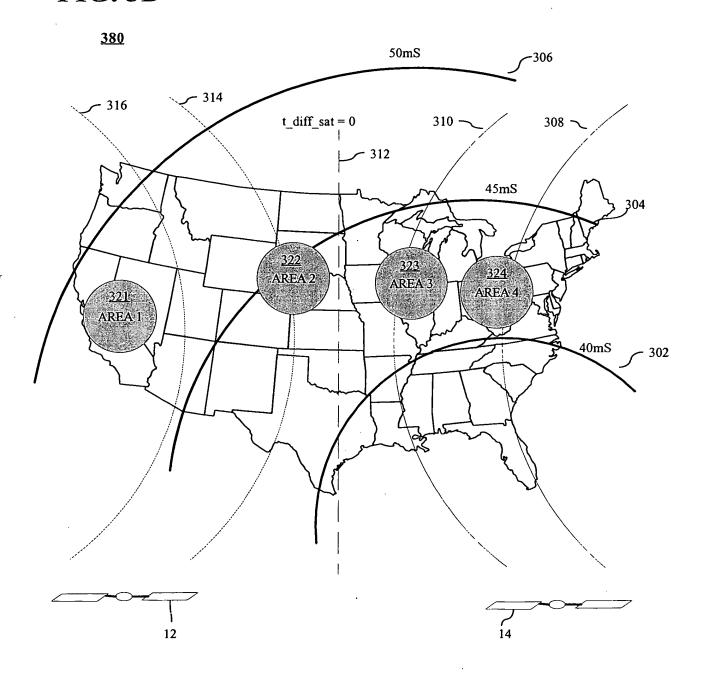


FIG. 4

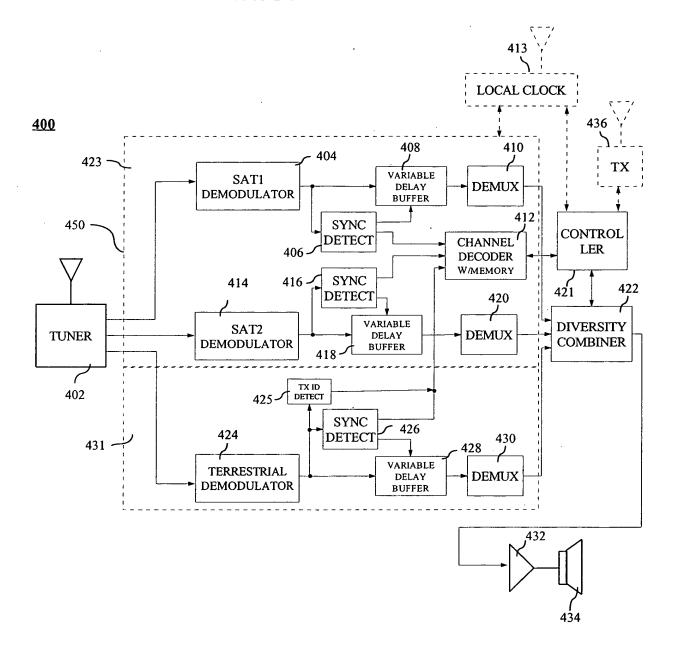


FIG. 5

SYNC PULSE OUTPUT TIMING FROM SATELLITE & TERRESTRIAL ARMS

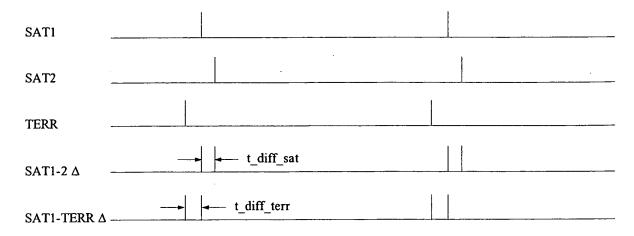


FIG. 6

CHANNEL DECODER RADIO LOCATION REGISTERS

sat_early								X		
		2	X = 0	Sat1 ear	ly or no	offset				
		2	X = 1	Sat2 ear	ly					
									MS Byte	
t_diff_sat	L	<u> </u>	<u> </u>	<u> </u>	ł	<u> </u>				
									LS Byte	
	0000 hex = no offset XXXX hex = Total 5.98 MHz clock cycles between Sat1 & Sat2 pulses FFFF hex = Both Sat Sync Pulses not present									
									MS Byte	
t_diff_terr		·		· · · · · · · · · · · · · · · · · · ·	1		1			
									LS Byte	
	0000 hex = no offset XXXX hex = Total 1.495 MHz clock cycles less 20 mS or 29,900 cyc between Terr & Sat1 Sync pulses FFFF hex = Sat1 and/or Terr Sync Pulse not present									

FIG. 7 START	
700	
RECEIVE A 1ST SYNC PULSE FROM A 1ST SAT SOURCE AND A 2ND SYN 2ND SAT SOURCE	NC PULSE FROM A 702
	704
MEASURE A TIME DIFFERENCE BETWEEN THE 1ST SYNC PULSE AND TH	E 2ND SYNC PULSE 704
	706
RECEIVE A THIRD SYNC PULSE FROM A TERRESTRIAL SO	URCE
MEASURE A TIME DIFFERENCE BETWEEN THE 1ST SYNC PULSE AND TH	E 2ND SYNC PULSE \(\sigma^{708} \)
DETERMINE A SUBSTANTIAL LONGITUDINAL LINE (OR A E-W CONSTANT I WHICH SYNC PULSE BETWEEN THE FIRST AND SECOND SYNC PULSE IS RECEIVED F DIFFERENCE MEASURED	
 	
MEASURE A TIME DELAY BETWEEN SYNC PULSES AMONGST ONE OF TRANSMISSION SOURCES AND AT LEAST ONE TERRESTRIAL TRANSMIS	
OPTIONALLY MEASURE SEVERAL TIMES TO AVERAGE THE DIFFERENCE ACCURACY	
-	
DETERMINE A SUBSTANTIAL LATITUDINAL LINE (OR A N-S CONSTANT DE THE TIME DELAY BETWEEN THE SATELLITE AND TERRESTRIAL TRANSMI	
 	
FILTERING DATA RECEIVED AT THE RECEIVER BASED ON THE SU LONGITUDINAL LINE AND/OR THE SUBSTANTIAL LATITUDINAL LIN	I.
	100 (1000) DAL A (1)
DETERMINE AN AREA BASED ON A UNIQUE TRANSMITTER ID # TRAN LEAST A FIRST TERRESTRIAL TRANSMISSION SOURCE AND OPTIONAL THE AREA WITH THE SUBSTANTIAL LONGITUDINAL LINE FOR BETT	LY CROSS-SECTING
	1
IF NO SERVICE IS CURRENTLY RECEIVED FROM THE FIRST TERRESTRI SOURCE, THEN USE THE AREA CLOSEST TO THE LAST RECEIVED UNIQ ID NUMBER	
` -	
FILTER DATA RECEIVED AT THE RECEIVER BASED ON THE SUBSTANTIL LINE AND THE UNIQUE TRANSMITTER ID NUMBER	AL LONGITUDINAL 722
	₁
USE A TIME STAMP DURING A RECEIPT OF THE FIRST SYNC SIGNAL A THE SECOND SYNC SIGNAL FOR DETERMINING LOCATION IN SY NON-GEOSTATIONARY SATELLITES	
·	